



*To speak with an
ENERGY STAR
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ENERGY STAR
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1-888-STAR YES
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*Director
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US EPA (6202J)
401 M Street, SW
Washington, DC
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*HTTP://www.epa.
gov/buildings*

AN ENERGY STAR BUILDINGSSM AND GREEN LIGHTS[®] CASE STUDY FOR St. Josephs

Project Director
Richard C. Armstrong, Jr.

Partner Since
March 1994

Total Committed
Square Footage
442,000

Location
Lancaster, PA

*"ENERGY STAR BuildingsSM is
definitely a win-win project.
We're being good stewards of the
environment, which is part of
our heritage, and we're saving
money at the same time."*



– Richard C. Armstrong, Jr.

Over the past five years, St. Joseph Hospital has faced a challenge shared by healthcare facilities nationwide: a need to maintain total energy costs at manageable levels despite rising utility prices and increased utilization of the facilities.

In 1994 St. Joseph Hospital, a member of the Catholic health Initiatives (CHI) – the largest not-for-profit health system in the country, joined Green Lights[®] with the objective of promoting energy efficiency, reducing energy costs, and preventing pollution. After the successful completion of a small pilot project, a hospital-wide lighting upgrade was completed, replacing nearly 6,500 fixtures with efficient lighting. Having achieved remarkable success in its own facilities, St. Joseph recommended Green Lights to five other CHI Region hospitals. By June, 1996 four of the five additional facilities successfully completed Green Lights. The cumulative energy cost savings to the five CHI-East hospitals has been well over \$1million annually. Because of its success with the lighting upgrades, St. Joseph Hospital

		Progress to Date
Project Costs	Total Expenditures	\$390,225
	Dollars Per Square Foot	\$0.88
	Total Square Footage Upgraded	442,800
	Percent Upgraded	xx%
Cost Savings	Annual Dollar Savings	\$175,643
	Dollar Savings Per Square Foot	\$0.86
	Internal Rate of Return (IRR)	47.6%
Energy Savings	Annual kWh Savings	2.9 million
Pollution Prevention	Annual Carbon Dioxide (lbs.)*	4.6 million
	Equivalent Cars off the Road	457
	Equivalent Acres of Trees Planted	xxxx





committed in 1997 to improve its energy efficiency further by joining the ENERGY STAR BuildingsSM Partnership.

Since joining ENERGY STAR Buildings, St. Joseph Hospital performed energy efficiency upgrades that have allowed it to double its laundry service, open a new 55,000 square foot out-patient/surgical facility, and add new services in several renovated areas of the hospital, while keeping energy costs flat. EPA recognized the Hospital's energy-efficiency achievements with the 1998 Green Lights and ENERGY STAR Buildings Partner of the Year Award.